

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10 Applicant(s) : Pierre ALBOU Group Art Unit:  
Serial No. : Examiner: 4/17  
Filed : T. Young  
For : MOTOR VEHICLE HEADLAMP OF THE ELLIPTICAL  
15 TYPE CAPABLE OF EMITTING A BEAM WITHOUT  
CUT-OFF

PRELIMINARY AMENDMENT

20 Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above  
25 identified application as follows:

IN THE SPECIFICATION

Insert the attached title page.

30

IN THE CLAIMS

Amend claims 1, 3, 4, 5, 10, 11 and 12 as follows:

5           --1. (amended) A motor vehicle headlamp, comprising a  
light source, a [mirror ] reflector having first and second  
focal regions, and a converging lens, the light source being  
located in the first focal region and the lens possessing a  
focus situated in the second focal region, the [mirror]  
reflector and the lens having axes which are essentially  
coincident defining an optical axis of the headlamp, and the  
headlamp being adapted to generate a light beam exhibiting high  
intensity along the optical axis and a limited extension below  
the optical axis, wherein a first area of the mirror extending  
15 in the vicinity of an axial vertical plane is adapted to  
generate, in a focal plane of the lens, images of the source the  
center which is substantially offset with respect to the focus  
of the lens, and wherein two second areas of the [mirror]  
reflector which are situated on either side of said first area  
20 are adapted to generate, in the focal plane of the lens, images  
of the source the centers of which pass close to or onto the  
focus of the lens.--

25           --3. (amended) A headlamp as claimed in claim 2, wherein  
the [mirror] reflector possesses, in correspondence with a  
reference focus situated in the vicinity of the source, a  
vertical focusing area extending substantially horizontally and  
transversely to the optical axis, substantially at the height of

5 the latter, wherein the first area of the [mirror] reflector  
 reflects the radiation towards regions of the focusing area  
 which are remote from the optical axis, and wherein the second  
 areas of the [mirror] reflector reflect the radiation towards a  
 region of the focusing area situated in the vicinity of the  
 10 optical axis.--

--4. (amended) A headlamp as claimed in [one of claims 1]  
claim 1, wherein the centers of the images of the source which  
 are generated by the first area in the focal plane of the lens  
 15 are offset downwards with respect to a horizontal line passing  
 through the focus of the lens.--

--5. (amended) A headlamp as claimed in claim 4, wherein  
 the reflecting surface of the [mirror] reflector is constructed  
 20 from axisymmetric ellipsoidal sections possessing a first  
 reference focus situated in the vicinity of the source and a  
 second reference focus situated in a vertical focusing area  
 extending substantially horizontally and transversely to the  
 optical axis, substantially at the height thereof, and wherein  
 25 the first area possesses a part situated above the optical axis  
 and a reference focus or a set of reference focuses of which is  
 situated behind a reference focus or behind a set of reference  
 focuses of the second areas, and a part situated below the

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IN THE ABSTRACT

Delete the Abstract in its entirety and replace it with new page 22 attached hereto.

REMARKS

10

The above amendments have been made to put the claims in better form for U.S. prosecution.

The Commissioner is hereby authorized to charge any additional fees which may be required for this amendment, or credit any overpayment to Deport Account No. 13-4500, Order No. 1948-4665. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,  
MORGAN & FINNEGAN, L.L.P.

Dated: February 8, 2000

By: Joseph A. Calvaruso

Joseph A. Calvaruso  
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30

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ABSTRACT OF THE DISCLOSURE

A4 10  
A motor vehicle headlamp comprises a light source, a reflector possessing first and second focal regions, and a converging lens. The source is located in the first focal region and the lens possesses a focus situated in the second focal  
15 region. The reflector and the lens have axes which are essentially coincident defining the optical axis of the headlamp. The headlamp is intended to generate a light beam exhibiting high intensity along the optical axis and a limited extension below the optical axis. A first area of the reflector extending in the  
20 vicinity of an axial vertical plane generates, in a focal plane of the lens, images of the source the center which is substantially offset with respect to the focus of the lens, while two second areas of the reflector located on either side of said first area generate, in the same focal plane, images of the  
25 source the centers of which pass close to or onto the focus of the lens.